

## SHAPE ASSISTED PADDING FOR OBJECT-BASED CODING

### ABSTRACT OF THE INVENTION

A system and method for encoding a video image using object-based encoding.

The system comprises a foreground encoding system for coding a foreground shape in a  
5 foreground object plane; and a background encoding system for coding a background  
object plane, wherein the background encoding system pads a masked area in the  
background object plane, and wherein the masked area is determined from data  
associated with the foreground shape.